

MR Form 4  
(Revised 1982)

File No. \_\_\_\_\_  
Date: \_\_\_\_\_

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES AND ENERGY  
DIVISION OF OIL, GAS AND MINING  
4241 State Office Building  
Salt Lake City, Utah 84114

RECEIVED  
JUN 17 1983

DECLARATION OF EXEMPTION  
\*\*\*\*\*

DIVISION OF  
OIL, GAS & MINING  
JIM

(See Mined Land Reclamation Act 40-8-4[6].)

JUN 25 1983

As provided for in Section 40-8-4, UCA 1953, I hereby declare an exemption from the "Utah Mined Land Reclamation Act," in that less than 500 tons of material is being mined or less than two (2) acres of land is being excavated or used as a disposal site during a period of twelve (12) consecutive months, from the following designated claims, leases or fee acreage.

NAME OF CLAIM, LEASE OR FEE ACREAGE	LOCATION			
	1/4, 1/4 SECTION	TOWNSHIP	RANGE	COUNTY
✓ YELLOW HAMMER 4382	SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ 24	8S	18W	Tooele
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Commodity: Copper, Gold, Silver, Tungsten

Date: June 15, 1983

Signature: \_\_\_\_\_

*William D. Moeller*  
William D. Moeller

OPERATOR: American Consolidated Mining Co

ADDRESS: 445 East 2nd South Salt Lake City, Utah 84111

Suite 311

TELEPHONE: 531-9864

\*This form needs to be filed one time only. In the event more than the minimum size requirements are to be mined, a Notice of Intention to Commence Mining Operations and Mining and Reclamation Plan (MR Form 1) will need to be filed with this office, at least 90 days prior to the anticipated expansion.



MINING AND RECLAMATION PLAN REVIEW

American Consolidated Mining Company  
American Consolidated Mining Mine  
ACT/045/019, Tooele County, Utah

Rule M-3(1)(a) SCL

Accurate maps must be submitted which delineate the extent of area that the applicant will use for operations at the millsite and at the Yellow Hammer Mine site. Accurate disturbance figures must be given (in acres) for all areas the applicant will use in the mill area, minesite area and all access roads being used to or from both areas.

Rule M-3(1)(b)(f)(g)

Rule M-6 TNT

Large scale maps of specific site locations planned for development (e.g., 1:200) are needed. The areas of proposed investigation on a "case by case basis" need to be described with greater detail. Predisturbed areas ought to be delineated if they are not designed to be reaffected, or a commitment to responsibility for reclaiming all sites incorporated. These areas should define disposal sites for waste rock and indicate more specific potential underground mine development directions. Estimates of design, e.g., shaft, cross-cut, decline and general overburden depth are required. Subsidence potential ought to be discussed.

Rule M-3(1)(e) DWD

The applicant shall submit a map of each activity (mine or mill) which illustrates disturbed areas and shows the drainage plans on and away from those areas. Also shown on the map should be flow directions, berms, ponds (catch basins), culverts, diversions and other hydrologic structures. Maps should be of such scale as prescribed in Rule M-6.

Rule M-3(1)(f) DWD

The applicant should submit a description of the ground water, its level, quality and movement (if possible).

Rule M-3(1)(h) DWD

Describe the water quality of the water to be discharged from the mill. Describe any potential impacts to the ground water from mining activity or in the vicinity of the mill. A clay liner will be required in the tailings pond if there is a potential of toxic elements contaminating the ground water.

Rule M-3(2)(a), (b) SCL

It should also be noted that prior and potential land uses include grazing of domestic and wild animals.



Rule M-3(2)(c)(2) TLP

The applicant should provide more detail regarding waste rock handling. Show on a map where it will be disposed of. What is the anticipated volume to be generated? What is the ultimate fate of such material? Will it be used in the reclamation program as backfill or to bring areas to grade? Will it be sampled to determine potential toxicity?

The applicant states that (in #21) soils will be "handled properly" pursuant to future developments.

The applicant may wish to obtain baseline soils data now on previously undisturbed areas to avoid future delays when expansion becomes desirable. The acquisition of sufficient baseline soils data would allow more expediency in processing future modifications. This is because of the time delay in sampling, seasonal constraints to sampling and lag time associated with laboratory testing and data reporting.

Please see the enclosed soils guidelines as a basis for what is typically required in the way of a soils management plan.

How will previously affected areas which are used in current operations be reclaimed upon cessation of mining?

Rule M-3(2)(e) SCL

A complete revegetation plan for all areas that will be disturbed by mining or milling activities should be submitted including: seed mix(es) and rate of seeding in Pure Live Seed (PLS) per acre, or stocking rate (stems/acre) for shrub plantings; seedbed preparation; seeding and planting techniques, mulching, irrigation and fertilization methods, amounts and frequencies or duration. There may be different techniques or seed mixes for different areas. Season of seeding or planting should be indicated.

Revegetation species mix(es) should be consistent with the postmining land-uses.

Any proposed measures to protect reclaimed areas from grazing by domestic or wild animals should be discussed and must be approved in advance by the Division.

Rule M-3(2)(f) SCL

A timetable for the accomplishment of each major step (i.e., removing structures and equipment, regrading, preparing seedbed, seeding) in the reclamation plan must be submitted. This can be given in terms of weeks or months postmining.



Rule M-5 PGL

A detailed cost estimate of the reclamation to be performed should be submitted. This would include the cost of disposal of trash and debris, the closing of the opening, structures removed, regrading, safety and monitoring. An estimate sheet has been attached for your use. Salvage value may not be included to offset bond requirements. Please note that the costs are determined to be the cost to the State in the event that there would be abandonment of the operation.

The form of surety should be considered. This may include a bond, irrevocable letter of credit, cash, treasury notes, automatically renewable certificates of deposit or an escrow agreement.

Rule M-10(2)(10) TNT

Portal, decline and shaft closure details should be included which provide details of cost estimates. A discussion of current closure status on proposed mine plan area declines, portals and shafts should indicate temporary restrictive measures.

Rule M-10(2)(d) PGL

Please state where the warning signs will be posted and fences erected.

Rule M-10(2)(e) DWD

A fence at least five feet in height should be installed around the tailings pond which has a wire mesh base of at least three feet, if toxic materials will exist in mill water.

Rule M-10(3)(4)(6)(8)(9) TNT

The inclusion of a discussion regarding the plans for tailing reprocessing at the mill site should detail the potential applicability of these rules and define the operator's intentions on a timetable of the plans for development and reclamation.

Rule M-10(5) TNT

What is the status of the incline tunnel proposed? Does it incorporate pre-existing highwalls into the potentially affected area? These may be subject to reclamation responsibilities and the subject makes further treatment and definition as well as design plans necessary. A variance request may be applicable to this concern.



Rule M-10(6) SCL

The applicant should discuss the potential for toxic materials (i.e., cyanide or other chemicals used in ore processing) entering the tailings pond. If the potential for toxic materials entering the pond exists, the applicant should show what precautions will be taken to contain tailings water from contaminating local surface or ground water. Fencing to keep animals away from the pond may also be required (see Rule M-10[2][e]).

Rule M-10(6) TLP

On page 4 of the application (Item F[3]), and on page 7 (21E), the applicant indicates that no toxic materials are expected. Pursuant to affirming this assertion, what type of testing program will be initiated? What data will be gathered? What test methods will be employed and how will data be reported? Provide explanation as to how applicable State and Federal laws will be complied with including evidence of permits obtained and copies of relevant correspondence.

Rule M-10(8 and 13) DWD

A description should be submitted describing how reclamation of hydrologic structures will take place.

Rule M-10(9) PGL

Please describe how the structures will be removed (razed?) and equipment will be moved. This should be included in the reclamation narrative.

Rule M-10(11) DWD

Calculations should be submitted which provide for sizing of all hydrologic structures (i.e., tailings ponds, culverts and diversions). Hydrologic structures should be constructed to control the runoff generated from a 10-year, 24-hour storm event.

Rule M-10(12) SCL

Baseline vegetation studies to determine the representative ground cover of vegetation communities surrounding the mill and Yellow Hammer Mine site should be done to set standards for revegetation success. If vegetation types at the two areas are different, there may be more than one success standard, or an average value can be used for an overall standard.

Bureau of Land Management (BLM) cover transect surveys which have been done in these two areas will be accepted.



Revegetation test plots may be initiated at either or both areas if the applicant desires. If revegetation test plots will be used, the treatments to be utilized should be discussed, along with some discussion of how success of the plots will be monitored and how the results will be used to determine final revegetation practices.

Monitoring of revegetated areas during the bond release period should be discussed. This will include monitoring methods, timing and duration of monitoring, and methods of determining whether or not the success standard has been achieved. Funds for monitoring of revegetation success for at least three years should be included in surety calculations.